



BARGE "CBC 1404"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 CENTER	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-3/4	01-3/4
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 178'-06"

July 13, 2018

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1404"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,703	0	20,311	0	31,736	0	43,201	0	54,781	0	66,361	0	77,918	0	89,477	0	101,061
1/4	60	1/4	8,945	1/4	20,552	1/4	31,970	1/4	43,442	1/4	55,022	1/4	66,602	1/4	78,158	1/4	89,718	1/4	101,303
1/2	80	1/2	9,186	1/2	20,794	1/2	32,204	1/2	43,684	1/2	55,264	1/2	66,844	1/2	78,398	1/2	89,959	1/2	101,544
3/4	100	3/4	9,428	3/4	21,036	3/4	32,438	3/4	43,925	3/4	55,505	3/4	67,085	3/4	78,638	3/4	90,201	3/4	101,785
1	120	1	9,670	1	21,278	1	32,672	1	44,166	1	55,746	1	67,326	1	78,878	1	90,442	1	102,027
1/4	180	1/4	9,912	1/4	21,520	1/4	32,906	1/4	44,407	1/4	55,987	1/4	67,567	1/4	79,117	1/4	90,683	1/4	102,268
1/2	241	1/2	10,154	1/2	21,762	1/2	33,140	1/2	44,649	1/2	56,229	1/2	67,809	1/2	79,357	1/2	90,925	1/2	102,509
3/4	301	3/4	10,396	3/4	22,003	3/4	33,374	3/4	44,890	3/4	56,470	3/4	68,050	3/4	79,597	3/4	91,166	3/4	102,751
2	362	2	10,637	2	22,245	2	33,608	2	45,131	2	56,711	2	68,291	2	79,837	2	91,407	2	102,992
1/4	463	1/4	10,879	1/4	22,487	1/4	33,842	1/4	45,372	1/4	56,952	1/4	68,532	1/4	80,077	1/4	91,649	1/4	103,233
1/2	563	1/2	11,121	1/2	22,729	1/2	34,076	1/2	45,614	1/2	57,194	1/2	68,774	1/2	80,317	1/2	91,890	1/2	103,475
3/4	664	3/4	11,363	3/4	22,971	3/4	34,311	3/4	45,855	3/4	57,435	3/4	69,015	3/4	80,557	3/4	92,131	3/4	103,716
3	765	3	11,605	3	23,213	3	34,545	3	46,096	3	57,676	3	69,256	3	80,797	3	92,373	3	103,957
1/4	906	1/4	11,847	1/4	23,454	1/4	34,779	1/4	46,337	1/4	57,917	1/4	69,497	1/4	81,037	1/4	92,614	1/4	104,199
1/2	1,047	1/2	12,088	1/2	23,696	1/2	35,013	1/2	46,579	1/2	58,159	1/2	69,739	1/2	81,277	1/2	92,855	1/2	104,440
3/4	1,188	3/4	12,330	3/4	23,938	3/4	35,247	3/4	46,820	3/4	58,400	3/4	69,980	3/4	81,516	3/4	93,097	3/4	104,681
4	1,329	4	12,572	4	24,180	4	35,481	4	47,061	4	58,641	4	70,221	4	81,756	4	93,338	4	104,923
1/4	1,510	1/4	12,814	1/4	24,422	1/4	35,722	1/4	47,302	1/4	58,882	1/4	70,462	1/4	81,997	1/4	93,580	1/4	105,164
1/2	1,692	1/2	13,056	1/2	24,664	1/2	35,963	1/2	47,544	1/2	59,124	1/2	70,704	1/2	82,238	1/2	93,821	1/2	105,405
3/4	1,873	3/4	13,298	3/4	24,905	3/4	36,205	3/4	47,785	3/4	59,365	3/4	70,945	3/4	82,478	3/4	94,062	3/4	105,647
5	2,054	5	13,539	5	25,147	5	36,446	5	48,026	5	59,606	5	71,186	5	82,719	5	94,304	5	105,888
1/4	2,275	1/4	13,781	1/4	25,389	1/4	36,687	1/4	48,267	1/4	59,847	1/4	71,427	1/4	82,960	1/4	94,545	1/4	106,129
1/2	2,496	1/2	14,023	1/2	25,631	1/2	36,928	1/2	48,509	1/2	60,089	1/2	71,669	1/2	83,201	1/2	94,786	1/2	106,371
3/4	2,717	3/4	14,265	3/4	25,873	3/4	37,170	3/4	48,750	3/4	60,330	3/4	71,910	3/4	83,443	3/4	95,028	3/4	106,612
6	2,938	6	14,507	6	26,115	6	37,411	6	48,991	6	60,571	6	72,151	6	83,684	6	95,269	6	106,853
1/4	3,175	1/4	14,748	1/4	26,349	1/4	37,652	1/4	49,232	1/4	60,812	1/4	72,392	1/4	83,926	1/4	95,510	1/4	107,095
1/2	3,412	1/2	14,990	1/2	26,584	1/2	37,893	1/2	49,474	1/2	61,054	1/2	72,632	1/2	84,167	1/2	95,752	1/2	107,336
3/4	3,649	3/4	15,232	3/4	26,818	3/4	38,135	3/4	49,715	3/4	61,295	3/4	72,873	3/4	84,408	3/4	95,993	3/4	107,577
7	3,886	7	15,474	7	27,053	7	38,376	7	49,956	7	61,536	7	73,114	7	84,650	7	96,234	7	107,819
1/4	4,126	1/4	15,716	1/4	27,287	1/4	38,617	1/4	50,197	1/4	61,777	1/4	73,354	1/4	84,891	1/4	96,476	1/4	108,060
1/2	4,365	1/2	15,958	1/2	27,521	1/2	38,858	1/2	50,439	1/2	62,019	1/2	73,595	1/2	85,132	1/2	96,717	1/2	108,302
3/4	4,604	3/4	16,199	3/4	27,756	3/4	39,100	3/4	50,680	3/4	62,260	3/4	73,836	3/4	85,374	3/4	96,958	3/4	108,543
8	4,843	8	16,441	8	27,990	8	39,341	8	50,921	8	62,501	8	74,076	8	85,615	8	97,200	8	108,784
1/4	5,083	1/4	16,683	1/4	28,224	1/4	39,582	1/4	51,162	1/4	62,742	1/4	74,317	1/4	85,856	1/4	97,441	1/4	109,026
1/2	5,324	1/2	16,925	1/2	28,459	1/2	39,824	1/2	51,404	1/2	62,984	1/2	74,558	1/2	86,098	1/2	97,682	1/2	109,267
3/4	5,564	3/4	17,167	3/4	28,693	3/4	40,065	3/4	51,645	3/4	63,225	3/4	74,798	3/4	86,339	3/4	97,924	3/4	109,508
9	5,804	9	17,409	9	28,927	9	40,306	9	51,886	9	63,466	9	75,039	9	86,580	9	98,165	9	109,750
1/4	6,046	1/4	17,650	1/4	29,161	1/4	40,547	1/4	52,127	1/4	63,707	1/4	75,279	1/4	86,822	1/4	98,406	1/4	109,991
1/2	6,287	1/2	17,892	1/2	29,395	1/2	40,789	1/2	52,369	1/2	63,949	1/2	75,519	1/2	87,063	1/2	98,648	1/2	110,232
3/4	6,528	3/4	18,134	3/4	29,629	3/4	41,030	3/4	52,610	3/4	64,190	3/4	75,759	3/4	87,304	3/4	98,889	3/4	110,474
10	6,769	10	18,376	10	29,863	10	41,271	10	52,851	10	64,431	10	75,999	10	87,546	10	99,130	10	110,715
1/4	7,011	1/4	18,618	1/4	30,097	1/4	41,512	1/4	53,092	1/4	64,672	1/4	76,239	1/4	87,787	1/4	99,372	1/4	110,956
1/2	7,252	1/2	18,860	1/2	30,331	1/2	41,754	1/2	53,334	1/2	64,914	1/2	76,479	1/2	88,029	1/2	99,613	1/2	111,198
3/4	7,494	3/4	19,101	3/4	30,565	3/4	41,995	3/4	53,575	3/4	65,155	3/4	76,718	3/4	88,270	3/4	99,854	3/4	111,439
11	7,735	11	19,343	11	30,799	11	42,236	11	53,816	11	65,396	11	76,958	11	88,511	11	100,096	11	111,680
1/4	7,977	1/4	19,585	1/4	31,033	1/4	42,477	1/4	54,057	1/4	65,637	1/4	77,198	1/4	88,753	1/4	100,337	1/4	111,922
1/2	8,219	1/2	19,827	1/2	31,268	1/2	42,719	1/2	54,299	1/2	65,879	1/2	77,438	1/2	88,994	1/2	100,578	1/2	112,163
3/4	8,461	3/4	20,069	3/4	31,502	3/4	42,960	3/4	54,540	3/4	66,120	3/4	77,678	3/4	89,235	3/4	100,820	3/4	112,404

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 24'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CBC 1404"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	112,646	0	122,180	0	130,299	0	138,418	0	146,536	0		0		0		0		0	
1/4	112,887	1/4	122,349	1/4	130,468	1/4	138,587	1/4	146,706	1/4		1/4		1/4		1/4		1/4	
1/2	113,127	1/2	122,518	1/2	130,637	1/2	138,756	1/2	146,875	1/2		1/2		1/2		1/2		1/2	
3/4	113,368	3/4	122,687	3/4	130,806	3/4	138,925	3/4	147,044	3/4		3/4		3/4		3/4		3/4	
1	113,609	1	122,856	1	130,975	1	139,094	1	147,213	1		1		1		1		1	
1/4	113,850	1/4	123,025	1/4	131,144	1/4	139,263	1/4	147,382	1/4		1/4		1/4		1/4		1/4	
1/2	114,090	1/2	123,194	1/2	131,313	1/2	139,432	1/2	147,551	1/2		1/2		1/2		1/2		1/2	
3/4	114,331	3/4	123,364	3/4	131,483	3/4	139,602	3/4	147,720	3/4		3/4		3/4		3/4		3/4	
2	114,572	2	123,533	2	131,652	2	139,771	2	147,890	2		2		2		2		2	
1/4	114,813	1/4	123,702	1/4	131,821	1/4	139,940	1/4	148,059	1/4		1/4		1/4		1/4		1/4	
1/2	115,054	1/2	123,871	1/2	131,990	1/2	140,109	1/2	148,228	1/2		1/2		1/2		1/2		1/2	
3/4	115,294	3/4	124,040	3/4	132,159	3/4	140,278	3/4	148,397	3/4		3/4		3/4		3/4		3/4	
3	115,535	3	124,209	3	132,328	3	140,447	3	148,566	3		3		3		3		3	
1/4	115,776	1/4	124,379	1/4	132,497	1/4	140,616	1/4	148,788	1/4		1/4		1/4		1/4		1/4	
1/2	116,017	1/2	124,548	1/2	132,667	1/2	140,786	1/2	149,010	1/2		1/2		1/2		1/2		1/2	
3/4	116,257	3/4	124,717	3/4	132,836	3/4	140,955	3/4	149,231	3/4		3/4		3/4		3/4		3/4	
4	116,498	4	124,886	4	133,005	4	141,124	4	149,453	4		4		4		4		4	
1/4	116,739	1/4	125,055	1/4	133,174	1/4	141,293	1/4	149,634	1/4		1/4		1/4		1/4		1/4	
1/2	116,980	1/2	125,224	1/2	133,343	1/2	141,462	1/2	149,816	1/2		1/2		1/2		1/2		1/2	
3/4	117,221	3/4	125,393	3/4	133,512	3/4	141,631	3/4	149,997	3/4		3/4		3/4		3/4		3/4	
5	117,461	5	125,563	5	133,681	5	141,800	5	150,178	5		5		5		5		5	
1/4	117,630	1/4	125,732	1/4	133,851	1/4	141,970	1/4	150,320	1/4		1/4		1/4		1/4		1/4	
1/2	117,798	1/2	125,901	1/2	134,020	1/2	142,139	1/2	150,461	1/2		1/2		1/2		1/2		1/2	
3/4	117,966	3/4	126,070	3/4	134,189	3/4	142,308	3/4	150,602	3/4		3/4		3/4		3/4		3/4	
6	118,134	6	126,239	6	134,358	6	142,477	6	150,743	6		6		6		6		6	
1/4	118,302	1/4	126,408	1/4	134,527	1/4	142,646	1/4	150,844	1/4		1/4		1/4		1/4		1/4	
1/2	118,471	1/2	126,577	1/2	134,696	1/2	142,815	1/2	150,944	1/2		1/2		1/2		1/2		1/2	
3/4	118,640	3/4	126,747	3/4	134,865	3/4	142,984	3/4	151,045	3/4		3/4		3/4		3/4		3/4	
7	118,808	7	126,916	7	135,035	7	143,154	7	151,146	7		7		7		7		7	
1/4	118,977	1/4	127,085	1/4	135,204	1/4	143,323	1/4	151,206	1/4		1/4		1/4		1/4		1/4	
1/2	119,145	1/2	127,254	1/2	135,373	1/2	143,492	1/2	151,267	1/2		1/2		1/2		1/2		1/2	
3/4	119,314	3/4	127,423	3/4	135,542	3/4	143,661	3/4	151,327	3/4		3/4		3/4		3/4		3/4	
8	119,482	8	127,592	8	135,711	8	143,830	8	151,388	8		8		8		8		8	
1/4	119,651	1/4	127,761	1/4	135,880	1/4	143,999	1/4	151,408	1/4		1/4		1/4		1/4		1/4	
1/2	119,820	1/2	127,931	1/2	136,049	1/2	144,168	1/2	151,428	1/2		1/2		1/2		1/2		1/2	
3/4	119,988	3/4	128,100	3/4	136,219	3/4	144,338	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,157	9	128,269	9	136,388	9	144,507	9		9		9		9		9		9	
1/4	120,325	1/4	128,438	1/4	136,557	1/4	144,676	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,494	1/2	128,607	1/2	136,726	1/2	144,845	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,662	3/4	128,776	3/4	136,895	3/4	145,014	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,831	10	128,945	10	137,064	10	145,183	10		10		10		10		10		10	
1/4	121,000	1/4	129,115	1/4	137,234	1/4	145,352	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,168	1/2	129,284	1/2	137,403	1/2	145,522	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,337	3/4	129,453	3/4	137,572	3/4	145,691	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,505	11	129,622	11	137,741	11	145,860	11		11		11		11		11		11	
1/4	121,674	1/4	129,791	1/4	137,910	1/4	146,029	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,842	1/2	129,960	1/2	138,079	1/2	146,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,011	3/4	130,129	3/4	138,248	3/4	146,367	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2018 CL
CALCULATED: 07/13/2018 CL
PRINTED: 07/13/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1404"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	10,068	0	23,504	0	36,777	0	50,051	0	63,488	0	76,924	0	90,361	0	103,798	0	117,234
1/4	63	1/4	10,348	1/4	23,784	1/4	37,049	1/4	50,331	1/4	63,768	1/4	77,204	1/4	90,641	1/4	104,078	1/4	117,514
1/2	86	1/2	10,627	1/2	24,064	1/2	37,321	1/2	50,611	1/2	64,048	1/2	77,484	1/2	90,921	1/2	104,358	1/2	117,794
3/4	109	3/4	10,907	3/4	24,344	3/4	37,592	3/4	50,891	3/4	64,327	3/4	77,764	3/4	91,201	3/4	104,638	3/4	118,074
1	133	1	11,187	1	24,624	1	37,864	1	51,171	1	64,607	1	78,044	1	91,481	1	104,917	1	118,354
1/4	203	1/4	11,467	1/4	24,903	1/4	38,136	1/4	51,451	1/4	64,887	1/4	78,324	1/4	91,761	1/4	105,197	1/4	118,634
1/2	273	1/2	11,747	1/2	25,183	1/2	38,408	1/2	51,731	1/2	65,167	1/2	78,604	1/2	92,041	1/2	105,477	1/2	118,914
3/4	343	3/4	12,027	3/4	25,463	3/4	38,679	3/4	52,011	3/4	65,447	3/4	78,884	3/4	92,321	3/4	105,757	3/4	119,194
2	413	2	12,307	2	25,743	2	38,951	2	52,290	2	65,727	2	79,164	2	92,601	2	106,037	2	119,474
1/4	529	1/4	12,587	1/4	26,023	1/4	39,223	1/4	52,570	1/4	66,007	1/4	79,444	1/4	92,880	1/4	106,317	1/4	119,754
1/2	646	1/2	12,867	1/2	26,303	1/2	39,494	1/2	52,850	1/2	66,287	1/2	79,724	1/2	93,160	1/2	106,597	1/2	120,034
3/4	762	3/4	13,147	3/4	26,583	3/4	39,766	3/4	53,130	3/4	66,567	3/4	80,004	3/4	93,440	3/4	106,877	3/4	120,314
3	879	3	13,427	3	26,863	3	40,038	3	53,410	3	66,847	3	80,284	3	93,720	3	107,157	3	120,594
1/4	1,042	1/4	13,707	1/4	27,143	1/4	40,310	1/4	53,690	1/4	67,127	1/4	80,563	1/4	94,000	1/4	107,437	1/4	120,874
1/2	1,206	1/2	13,986	1/2	27,423	1/2	40,581	1/2	53,970	1/2	67,407	1/2	80,843	1/2	94,280	1/2	107,717	1/2	121,153
3/4	1,369	3/4	14,266	3/4	27,703	3/4	40,853	3/4	54,250	3/4	67,687	3/4	81,123	3/4	94,560	3/4	107,997	3/4	121,433
4	1,532	4	14,546	4	27,983	4	41,125	4	54,530	4	67,967	4	81,403	4	94,840	4	108,277	4	121,713
1/4	1,742	1/4	14,826	1/4	28,263	1/4	41,397	1/4	54,810	1/4	68,247	1/4	81,683	1/4	95,120	1/4	108,557	1/4	121,993
1/2	1,952	1/2	15,106	1/2	28,542	1/2	41,669	1/2	55,090	1/2	68,526	1/2	81,963	1/2	95,400	1/2	108,837	1/2	122,273
3/4	2,162	3/4	15,386	3/4	28,822	3/4	41,941	3/4	55,370	3/4	68,806	3/4	82,243	3/4	95,680	3/4	109,116	3/4	122,553
5	2,372	5	15,666	5	29,102	5	42,213	5	55,650	5	69,086	5	82,523	5	95,960	5	109,396	5	122,833
1/4	2,628	1/4	15,946	1/4	29,382	1/4	42,493	1/4	55,930	1/4	69,366	1/4	82,803	1/4	96,240	1/4	109,676	1/4	123,113
1/2	2,884	1/2	16,226	1/2	29,662	1/2	42,773	1/2	56,209	1/2	69,646	1/2	83,083	1/2	96,520	1/2	109,956	1/2	123,393
3/4	3,140	3/4	16,506	3/4	29,942	3/4	43,053	3/4	56,489	3/4	69,926	3/4	83,363	3/4	96,799	3/4	110,236	3/4	123,673
6	3,395	6	16,786	6	30,222	6	43,333	6	56,769	6	70,206	6	83,643	6	97,079	6	110,516	6	123,953
1/4	3,670	1/4	17,066	1/4	30,502	1/4	43,613	1/4	57,049	1/4	70,486	1/4	83,923	1/4	97,359	1/4	110,796	1/4	124,233
1/2	3,944	1/2	17,346	1/2	30,782	1/2	43,893	1/2	57,329	1/2	70,766	1/2	84,203	1/2	97,639	1/2	111,076	1/2	124,513
3/4	4,218	3/4	17,625	3/4	31,062	3/4	44,172	3/4	57,609	3/4	71,046	3/4	84,483	3/4	97,919	3/4	111,356	3/4	124,793
7	4,493	7	17,905	7	31,342	7	44,452	7	57,889	7	71,326	7	84,762	7	98,199	7	111,636	7	125,073
1/4	4,770	1/4	18,185	1/4	31,614	1/4	44,732	1/4	58,169	1/4	71,606	1/4	85,042	1/4	98,479	1/4	111,916	1/4	125,352
1/2	5,046	1/2	18,465	1/2	31,886	1/2	45,012	1/2	58,449	1/2	71,886	1/2	85,322	1/2	98,759	1/2	112,196	1/2	125,632
3/4	5,323	3/4	18,745	3/4	32,158	3/4	45,292	3/4	58,729	3/4	72,166	3/4	85,602	3/4	99,039	3/4	112,476	3/4	125,912
8	5,600	8	19,025	8	32,430	8	45,572	8	59,009	8	72,445	8	85,882	8	99,319	8	112,756	8	126,192
1/4	5,878	1/4	19,305	1/4	32,702	1/4	45,852	1/4	59,289	1/4	72,725	1/4	86,162	1/4	99,599	1/4	113,035	1/4	126,472
1/2	6,156	1/2	19,585	1/2	32,973	1/2	46,132	1/2	59,569	1/2	73,005	1/2	86,442	1/2	99,879	1/2	113,315	1/2	126,752
3/4	6,435	3/4	19,865	3/4	33,245	3/4	46,412	3/4	59,849	3/4	73,285	3/4	86,722	3/4	100,159	3/4	113,595	3/4	127,032
9	6,713	9	20,145	9	33,517	9	46,692	9	60,129	9	73,565	9	87,002	9	100,439	9	113,875	9	127,312
1/4	6,992	1/4	20,425	1/4	33,788	1/4	46,972	1/4	60,408	1/4	73,845	1/4	87,282	1/4	100,719	1/4	114,155	1/4	127,592
1/2	7,271	1/2	20,705	1/2	34,060	1/2	47,252	1/2	60,688	1/2	74,125	1/2	87,562	1/2	100,998	1/2	114,435	1/2	127,872
3/4	7,550	3/4	20,985	3/4	34,332	3/4	47,532	3/4	60,968	3/4	74,405	3/4	87,842	3/4	101,278	3/4	114,715	3/4	128,152
10	7,829	10	21,264	10	34,604	10	47,812	10	61,248	10	74,685	10	88,122	10	101,558	10	114,995	10	128,432
1/4	8,109	1/4	21,544	1/4	34,875	1/4	48,091	1/4	61,528	1/4	74,965	1/4	88,402	1/4	101,838	1/4	115,275	1/4	128,712
1/2	8,389	1/2	21,824	1/2	35,147	1/2	48,371	1/2	61,808	1/2	75,245	1/2	88,681	1/2	102,118	1/2	115,555	1/2	128,992
3/4	8,668	3/4	22,104	3/4	35,419	3/4	48,651	3/4	62,088	3/4	75,525	3/4	88,961	3/4	102,398	3/4	115,835	3/4	129,271
11	8,948	11	22,384	11	35,690	11	48,931	11	62,368	11	75,805	11	89,241	11	102,678	11	116,115	11	129,551
1/4	9,228	1/4	22,664	1/4	35,962	1/4	49,211	1/4	62,648	1/4	76,085	1/4	89,521	1/4	102,958	1/4	116,395	1/4	129,831
1/2	9,508	1/2	22,944	1/2	36,234	1/2	49,491	1/2	62,928	1/2	76,365	1/2	89,801	1/2	103,238	1/2	116,675	1/2	130,111
3/4	9,788	3/4	23,224	3/4	36,506	3/4	49,771	3/4	63,208	3/4	76,644	3/4	90,081	3/4	103,518	3/4	116,955	3/4	130,391

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1404"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0								
1/4	130,951	1/4	144,388	1/4	157,824	1/4	171,261	1/4	184,698	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,231	1/2	144,668	1/2	158,104	1/2	171,541	1/2	184,978	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,511	3/4	144,948	3/4	158,384	3/4	171,821	3/4	185,258	3/4		3/4		3/4		3/4		3/4		3/4	
1	131,791	1	145,228	1	158,664	1	172,101	1	185,538	1											
1/4	132,071	1/4	145,507	1/4	158,944	1/4	172,381	1/4	185,818	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,351	1/2	145,787	1/2	159,224	1/2	172,661	1/2	186,097	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,631	3/4	146,067	3/4	159,504	3/4	172,941	3/4	186,377	3/4		3/4		3/4		3/4		3/4		3/4	
2	132,911	2	146,347	2	159,784	2	173,221	2	186,657	2											
1/4	133,191	1/4	146,627	1/4	160,064	1/4	173,501	1/4	186,937	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,470	1/2	146,907	1/2	160,344	1/2	173,781	1/2	187,217	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,750	3/4	147,187	3/4	160,624	3/4	174,060	3/4	187,497	3/4		3/4		3/4		3/4		3/4		3/4	
3	134,030	3	147,467	3	160,904	3	174,340	3	187,777	3											
1/4	134,310	1/4	147,747	1/4	161,184	1/4	174,620	1/4	188,034	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	134,590	1/2	148,027	1/2	161,464	1/2	174,900	1/2	188,290	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	134,870	3/4	148,307	3/4	161,743	3/4	175,180	3/4	188,547	3/4		3/4		3/4		3/4		3/4		3/4	
4	135,150	4	148,587	4	162,023	4	175,460	4	188,803	4											
1/4	135,430	1/4	148,867	1/4	162,303	1/4	175,740	1/4	189,013	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135,710	1/2	149,147	1/2	162,583	1/2	176,020	1/2	189,223	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	135,990	3/4	149,427	3/4	162,863	3/4	176,300	3/4	189,433	3/4		3/4		3/4		3/4		3/4		3/4	
5	136,270	5	149,706	5	163,143	5	176,580	5	189,643	5											
1/4	136,550	1/4	149,986	1/4	163,423	1/4	176,860	1/4	189,807	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	136,830	1/2	150,266	1/2	163,703	1/2	177,140	1/2	189,970	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	137,110	3/4	150,546	3/4	163,983	3/4	177,420	3/4	190,133	3/4		3/4		3/4		3/4		3/4		3/4	
6	137,389	6	150,826	6	164,263	6	177,700	6	190,296	6											
1/4	137,669	1/4	151,106	1/4	164,543	1/4	177,979	1/4	190,413	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	137,949	1/2	151,386	1/2	164,823	1/2	178,259	1/2	190,530	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	138,229	3/4	151,666	3/4	165,103	3/4	178,539	3/4	190,646	3/4		3/4		3/4		3/4		3/4		3/4	
7	138,509	7	151,946	7	165,383	7	178,819	7	190,763	7											
1/4	138,789	1/4	152,226	1/4	165,663	1/4	179,099	1/4	190,833	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	139,069	1/2	152,506	1/2	165,942	1/2	179,379	1/2	190,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139,349	3/4	152,786	3/4	166,222	3/4	179,659	3/4	190,973	3/4		3/4		3/4		3/4		3/4		3/4	
8	139,629	8	153,066	8	166,502	8	179,939	8	191,043	8											
1/4	139,909	1/4	153,346	1/4	166,782	1/4	180,219	1/4	191,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140,189	1/2	153,625	1/2	167,062	1/2	180,499	1/2	191,090	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140,469	3/4	153,905	3/4	167,342	3/4	180,779	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	140,749	9	154,185	9	167,622	9	181,059	9		9											
1/4	141,029	1/4	154,465	1/4	167,902	1/4	181,339	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,309	1/2	154,745	1/2	168,182	1/2	181,619	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,588	3/4	155,025	3/4	168,462	3/4	181,899	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	141,868	10	155,305	10	168,742	10	182,178	10		10											
1/4	142,148	1/4	155,585	1/4	169,022	1/4	182,458	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,428	1/2	155,865	1/2	169,302	1/2	182,738	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,708	3/4	156,145	3/4	169,582	3/4	183,018	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	142,988	11	156,425	11	169,861	11	183,298	11		11											
1/4	143,268	1/4	156,705	1/4	170,141	1/4	183,578	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,548	1/2	156,985	1/2	170,421	1/2	183,858	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,828	3/4	157,265	3/4	170,701	3/4	184,138	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2018 CL
CALCULATED: 07/13/2018 CL
PRINTED: 07/13/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1404"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	40	0	9,002	0	21,011	0	33,006	0	45,004	0	57,013	0	69,023	0	81,032	0	93,041	0	105,051
1/4	60	1/4	9,253	1/4	21,262	1/4	33,255	1/4	45,254	1/4	57,263	1/4	69,273	1/4	81,282	1/4	93,291	1/4	105,301
1/2	81	1/2	9,503	1/2	21,512	1/2	33,505	1/2	45,504	1/2	57,514	1/2	69,523	1/2	81,532	1/2	93,542	1/2	105,551
3/4	102	3/4	9,753	3/4	21,762	3/4	33,754	3/4	45,754	3/4	57,764	3/4	69,773	3/4	81,782	3/4	93,792	3/4	105,801
1	123	1	10,003	1	22,012	1	34,004	1	46,005	1	58,014	1	70,023	1	82,033	1	94,042	1	106,051
1/4	185	1/4	10,253	1/4	22,262	1/4	34,253	1/4	46,255	1/4	58,264	1/4	70,274	1/4	82,283	1/4	94,292	1/4	106,302
1/2	248	1/2	10,504	1/2	22,512	1/2	34,503	1/2	46,505	1/2	58,514	1/2	70,524	1/2	82,533	1/2	94,542	1/2	106,552
3/4	311	3/4	10,754	3/4	22,763	3/4	34,752	3/4	46,755	3/4	58,765	3/4	70,774	3/4	82,783	3/4	94,793	3/4	106,802
2	373	2	11,004	2	23,013	2	35,002	2	47,005	2	59,015	2	71,024	2	83,033	2	95,043	2	107,052
1/4	477	1/4	11,254	1/4	23,263	1/4	35,251	1/4	47,256	1/4	59,265	1/4	71,274	1/4	83,284	1/4	95,293	1/4	107,302
1/2	582	1/2	11,504	1/2	23,513	1/2	35,501	1/2	47,506	1/2	59,515	1/2	71,524	1/2	83,534	1/2	95,543	1/2	107,553
3/4	686	3/4	11,754	3/4	23,763	3/4	35,750	3/4	47,756	3/4	59,765	3/4	71,775	3/4	83,784	3/4	95,793	3/4	107,803
3	790	3	12,005	3	24,014	3	36,000	3	48,006	3	60,016	3	72,025	3	84,034	3	96,044	3	108,053
1/4	936	1/4	12,255	1/4	24,264	1/4	36,249	1/4	48,256	1/4	60,266	1/4	72,275	1/4	84,284	1/4	96,294	1/4	108,303
1/2	1,082	1/2	12,505	1/2	24,514	1/2	36,499	1/2	48,507	1/2	60,516	1/2	72,525	1/2	84,535	1/2	96,544	1/2	108,553
3/4	1,228	3/4	12,755	3/4	24,764	3/4	36,748	3/4	48,757	3/4	60,766	3/4	72,775	3/4	84,785	3/4	96,794	3/4	108,804
4	1,374	4	13,005	4	25,014	4	36,998	4	49,007	4	61,016	4	73,026	4	85,035	4	97,044	4	109,054
1/4	1,561	1/4	13,256	1/4	25,264	1/4	37,248	1/4	49,257	1/4	61,267	1/4	73,276	1/4	85,285	1/4	97,295	1/4	109,304
1/2	1,749	1/2	13,506	1/2	25,515	1/2	37,498	1/2	49,507	1/2	61,517	1/2	73,526	1/2	85,535	1/2	97,545	1/2	109,554
3/4	1,937	3/4	13,756	3/4	25,765	3/4	37,748	3/4	49,758	3/4	61,767	3/4	73,776	3/4	85,786	3/4	97,795	3/4	109,804
5	2,124	5	14,006	5	26,015	5	37,998	5	50,008	5	62,017	5	74,026	5	86,036	5	98,045	5	110,055
1/4	2,353	1/4	14,256	1/4	26,265	1/4	38,249	1/4	50,258	1/4	62,267	1/4	74,277	1/4	86,286	1/4	98,295	1/4	110,305
1/2	2,582	1/2	14,507	1/2	26,515	1/2	38,499	1/2	50,508	1/2	62,517	1/2	74,527	1/2	86,536	1/2	98,546	1/2	110,555
3/4	2,810	3/4	14,757	3/4	26,766	3/4	38,749	3/4	50,758	3/4	62,768	3/4	74,777	3/4	86,786	3/4	98,796	3/4	110,805
6	3,039	6	15,007	6	27,016	6	38,999	6	51,009	6	63,018	6	75,027	6	87,037	6	99,046	6	111,055
1/4	3,284	1/4	15,257	1/4	27,266	1/4	39,249	1/4	51,259	1/4	63,268	1/4	75,277	1/4	87,287	1/4	99,296	1/4	111,306
1/2	3,529	1/2	15,507	1/2	27,515	1/2	39,500	1/2	51,509	1/2	63,518	1/2	75,528	1/2	87,537	1/2	99,546	1/2	111,556
3/4	3,775	3/4	15,757	3/4	27,765	3/4	39,750	3/4	51,759	3/4	63,768	3/4	75,778	3/4	87,787	3/4	99,797	3/4	111,806
7	4,020	7	16,008	7	28,015	7	40,000	7	52,009	7	64,019	7	76,028	7	88,037	7	100,047	7	112,056
1/4	4,267	1/4	16,258	1/4	28,265	1/4	40,250	1/4	52,259	1/4	64,269	1/4	76,278	1/4	88,288	1/4	100,297	1/4	112,306
1/2	4,515	1/2	16,508	1/2	28,515	1/2	40,500	1/2	52,510	1/2	64,519	1/2	76,528	1/2	88,538	1/2	100,547	1/2	112,556
3/4	4,762	3/4	16,758	3/4	28,765	3/4	40,751	3/4	52,760	3/4	64,769	3/4	76,779	3/4	88,788	3/4	100,797	3/4	112,807
8	5,009	8	17,008	8	29,014	8	41,001	8	53,010	8	65,019	8	77,029	8	89,038	8	101,048	8	113,057
1/4	5,258	1/4	17,259	1/4	29,264	1/4	41,251	1/4	53,260	1/4	65,270	1/4	77,279	1/4	89,288	1/4	101,298	1/4	113,307
1/2	5,507	1/2	17,509	1/2	29,513	1/2	41,501	1/2	53,510	1/2	65,520	1/2	77,529	1/2	89,539	1/2	101,548	1/2	113,557
3/4	5,755	3/4	17,759	3/4	29,763	3/4	41,751	3/4	53,761	3/4	65,770	3/4	77,779	3/4	89,789	3/4	101,798	3/4	113,807
9	6,004	9	18,009	9	30,012	9	42,001	9	54,011	9	66,020	9	78,030	9	90,039	9	102,048	9	114,058
1/4	6,253	1/4	18,259	1/4	30,262	1/4	42,252	1/4	54,261	1/4	66,270	1/4	78,280	1/4	90,289	1/4	102,298	1/4	114,308
1/2	6,503	1/2	18,509	1/2	30,511	1/2	42,502	1/2	54,511	1/2	66,521	1/2	78,530	1/2	90,539	1/2	102,549	1/2	114,558
3/4	6,752	3/4	18,760	3/4	30,761	3/4	42,752	3/4	54,761	3/4	66,771	3/4	78,780	3/4	90,790	3/4	102,799	3/4	114,808
10	7,002	10	19,010	10	31,010	10	43,002	10	55,012	10	67,021	10	79,030	10	91,040	10	103,049	10	115,058
1/4	7,252	1/4	19,260	1/4	31,260	1/4	43,252	1/4	55,262	1/4	67,271	1/4	79,281	1/4	91,290	1/4	103,299	1/4	115,309
1/2	7,502	1/2	19,510	1/2	31,509	1/2	43,503	1/2	55,512	1/2	67,521	1/2	79,531	1/2	91,540	1/2	103,549	1/2	115,559
3/4	7,752	3/4	19,760	3/4	31,759	3/4	43,753	3/4	55,762	3/4	67,772	3/4	79,781	3/4	91,790	3/4	103,800	3/4	115,809
11	8,002	11	20,011	11	32,008	11	44,003	11	56,012	11	68,022	11	80,031	11	92,040	11	104,050	11	116,059
1/4	8,252	1/4	20,261	1/4	32,258	1/4	44,253	1/4	56,263	1/4	68,272	1/4	80,281	1/4	92,291	1/4	104,300	1/4	116,309
1/2	8,502	1/2	20,511	1/2	32,507	1/2	44,503	1/2	56,513	1/2	68,522	1/2	80,532	1/2	92,541	1/2	104,550	1/2	116,560
3/4	8,752	3/4	20,761	3/4	32,757	3/4	44,754	3/4	56,763	3/4	68,772	3/4	80,782	3/4	92,791	3/4	104,800	3/4	116,810

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1404"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,060	0	129,069	0	141,079	0	153,088	0	165,097	0		0		0		0		0	
1/4	117,310	1/4	129,320	1/4	141,329	1/4	153,338	1/4	165,348	1/4		1/4		1/4		1/4		1/4	
1/2	117,560	1/2	129,570	1/2	141,579	1/2	153,588	1/2	165,598	1/2		1/2		1/2		1/2		1/2	
3/4	117,811	3/4	129,820	3/4	141,829	3/4	153,839	3/4	165,848	3/4		3/4		3/4		3/4		3/4	
1	118,061	1	130,070	1	142,079	1	154,089	1	166,098	1		1		1		1		1	
1/4	118,311	1/4	130,320	1/4	142,330	1/4	154,339	1/4	166,348	1/4		1/4		1/4		1/4		1/4	
1/2	118,561	1/2	130,571	1/2	142,580	1/2	154,589	1/2	166,599	1/2		1/2		1/2		1/2		1/2	
3/4	118,811	3/4	130,821	3/4	142,830	3/4	154,839	3/4	166,849	3/4		3/4		3/4		3/4		3/4	
2	119,062	2	131,071	2	143,080	2	155,090	2	167,099	2		2		2		2		2	
1/4	119,312	1/4	131,321	1/4	143,330	1/4	155,340	1/4	167,349	1/4		1/4		1/4		1/4		1/4	
1/2	119,562	1/2	131,571	1/2	143,581	1/2	155,590	1/2	167,599	1/2		1/2		1/2		1/2		1/2	
3/4	119,812	3/4	131,821	3/4	143,831	3/4	155,840	3/4	167,850	3/4		3/4		3/4		3/4		3/4	
3	120,062	3	132,072	3	144,081	3	156,090	3	168,100	3		3		3		3		3	
1/4	120,313	1/4	132,322	1/4	144,331	1/4	156,341	1/4	168,329	1/4		1/4		1/4		1/4		1/4	
1/2	120,563	1/2	132,572	1/2	144,581	1/2	156,591	1/2	168,558	1/2		1/2		1/2		1/2		1/2	
3/4	120,813	3/4	132,822	3/4	144,832	3/4	156,841	3/4	168,788	3/4		3/4		3/4		3/4		3/4	
4	121,063	4	133,072	4	145,082	4	157,091	4	169,017	4		4		4		4		4	
1/4	121,313	1/4	133,323	1/4	145,332	1/4	157,341	1/4	169,205	1/4		1/4		1/4		1/4		1/4	
1/2	121,563	1/2	133,573	1/2	145,582	1/2	157,592	1/2	169,392	1/2		1/2		1/2		1/2		1/2	
3/4	121,814	3/4	133,823	3/4	145,832	3/4	157,842	3/4	169,580	3/4		3/4		3/4		3/4		3/4	
5	122,064	5	134,073	5	146,083	5	158,092	5	169,768	5		5		5		5		5	
1/4	122,314	1/4	134,323	1/4	146,333	1/4	158,342	1/4	169,914	1/4		1/4		1/4		1/4		1/4	
1/2	122,564	1/2	134,574	1/2	146,583	1/2	158,592	1/2	170,060	1/2		1/2		1/2		1/2		1/2	
3/4	122,814	3/4	134,824	3/4	146,833	3/4	158,843	3/4	170,206	3/4		3/4		3/4		3/4		3/4	
6	123,065	6	135,074	6	147,083	6	159,093	6	170,351	6		6		6		6		6	
1/4	123,315	1/4	135,324	1/4	147,334	1/4	159,343	1/4	170,456	1/4		1/4		1/4		1/4		1/4	
1/2	123,565	1/2	135,574	1/2	147,584	1/2	159,593	1/2	170,560	1/2		1/2		1/2		1/2		1/2	
3/4	123,815	3/4	135,825	3/4	147,834	3/4	159,843	3/4	170,664	3/4		3/4		3/4		3/4		3/4	
7	124,065	7	136,075	7	148,084	7	160,094	7	170,768	7		7		7		7		7	
1/4	124,316	1/4	136,325	1/4	148,334	1/4	160,344	1/4	170,831	1/4		1/4		1/4		1/4		1/4	
1/2	124,566	1/2	136,575	1/2	148,585	1/2	160,594	1/2	170,894	1/2		1/2		1/2		1/2		1/2	
3/4	124,816	3/4	136,825	3/4	148,835	3/4	160,844	3/4	170,956	3/4		3/4		3/4		3/4		3/4	
8	125,066	8	137,076	8	149,085	8	161,094	8	171,019	8		8		8		8		8	
1/4	125,316	1/4	137,326	1/4	149,335	1/4	161,345	1/4	171,040	1/4		1/4		1/4		1/4		1/4	
1/2	125,567	1/2	137,576	1/2	149,585	1/2	161,595	1/2	171,060	1/2		1/2		1/2		1/2		1/2	
3/4	125,817	3/4	137,826	3/4	149,836	3/4	161,845	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,067	9	138,076	9	150,086	9	162,095	9		9		9		9		9		9	
1/4	126,317	1/4	138,327	1/4	150,336	1/4	162,345	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,567	1/2	138,577	1/2	150,586	1/2	162,595	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,818	3/4	138,827	3/4	150,836	3/4	162,846	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,068	10	139,077	10	151,087	10	163,096	10		10		10		10		10		10	
1/4	127,318	1/4	139,327	1/4	151,337	1/4	163,346	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,568	1/2	139,578	1/2	151,587	1/2	163,596	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,818	3/4	139,828	3/4	151,837	3/4	163,846	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,069	11	140,078	11	152,087	11	164,097	11		11		11		11		11		11	
1/4	128,319	1/4	140,328	1/4	152,337	1/4	164,347	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,569	1/2	140,578	1/2	152,588	1/2	164,597	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,819	3/4	140,829	3/4	152,838	3/4	164,847	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2018 CL
CALCULATED: 07/13/2018 CL
PRINTED: 07/13/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1404"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 CENTER	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 178'-06"

July 13, 2018

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

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BARGE "CBC 1404"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4	151,428	1/4	144,168	1/4	136,219	1/4	128,100	1/4	119,988	1/4	109,508	1/4	97,924	1/4	86,339
1/2		1/2		1/2	151,408	1/2	143,999	1/2	135,880	1/2	127,761	1/2	119,651	1/2	109,026	1/2	97,441	1/2	85,856
3/4		3/4		3/4	151,388	3/4	143,830	3/4	135,711	3/4	127,592	3/4	119,482	3/4	108,784	3/4	97,200	3/4	85,615
1	1	1	1	1	151,327	1	143,661	1	135,542	1	127,423	1	119,314	1	108,543	1	96,958	1	85,374
1/4		1/4		1/4	151,267	1/4	143,492	1/4	135,373	1/4	127,254	1/4	119,145	1/4	108,302	1/4	96,717	1/4	85,132
1/2		1/2		1/2	151,206	1/2	143,323	1/2	135,204	1/2	127,085	1/2	118,977	1/2	108,060	1/2	96,476	1/2	84,891
3/4		3/4		3/4	151,146	3/4	143,154	3/4	135,035	3/4	126,916	3/4	118,808	3/4	107,819	3/4	96,234	3/4	84,650
2	2	2	2	2	151,045	2	142,984	2	134,865	2	126,747	2	118,640	2	107,577	2	95,993	2	84,408
1/4		1/4		1/4	150,944	1/4	142,815	1/4	134,696	1/4	126,577	1/4	118,471	1/4	107,336	1/4	95,752	1/4	84,167
1/2		1/2		1/2	150,844	1/2	142,646	1/2	134,527	1/2	126,408	1/2	118,302	1/2	107,095	1/2	95,510	1/2	83,926
3/4		3/4		3/4	150,743	3/4	142,477	3/4	134,358	3/4	126,239	3/4	118,134	3/4	106,853	3/4	95,269	3/4	83,684
3	3	3	3	3	150,602	3	142,308	3	134,189	3	126,070	3	117,966	3	106,612	3	95,028	3	83,443
1/4		1/4		1/4	150,461	1/4	142,139	1/4	134,020	1/4	125,901	1/4	117,798	1/4	106,371	1/4	94,786	1/4	83,201
1/2		1/2		1/2	150,320	1/2	141,970	1/2	133,851	1/2	125,732	1/2	117,630	1/2	106,129	1/2	94,545	1/2	82,960
3/4		3/4		3/4	150,178	3/4	141,800	3/4	133,681	3/4	125,563	3/4	117,461	3/4	105,888	3/4	94,304	3/4	82,719
4	4	4	4	4	149,997	4	141,631	4	133,512	4	125,393	4	117,221	4	105,647	4	94,062	4	82,478
1/4		1/4		1/4	149,816	1/4	141,462	1/4	133,343	1/4	125,224	1/4	116,980	1/4	105,405	1/4	93,821	1/4	82,238
1/2		1/2		1/2	149,634	1/2	141,293	1/2	133,174	1/2	125,055	1/2	116,739	1/2	105,164	1/2	93,580	1/2	81,997
3/4		3/4		3/4	149,453	3/4	141,124	3/4	133,005	3/4	124,886	3/4	116,498	3/4	104,923	3/4	93,338	3/4	81,756
5	5	5	5	5	149,231	5	140,955	5	132,836	5	124,717	5	116,257	5	104,681	5	93,097	5	81,516
1/4		1/4		1/4	149,010	1/4	140,786	1/4	132,667	1/4	124,548	1/4	116,017	1/4	104,440	1/4	92,855	1/4	81,277
1/2		1/2		1/2	148,788	1/2	140,616	1/2	132,497	1/2	124,379	1/2	115,776	1/2	104,199	1/2	92,614	1/2	81,037
3/4		3/4		3/4	148,566	3/4	140,447	3/4	132,328	3/4	124,209	3/4	115,535	3/4	103,957	3/4	92,373	3/4	80,797
6	6	6	6	6	148,397	6	140,278	6	132,159	6	124,040	6	115,294	6	103,716	6	92,131	6	80,557
1/4		1/4		1/4	148,228	1/4	140,109	1/4	131,990	1/4	123,871	1/4	115,054	1/4	103,475	1/4	91,890	1/4	80,317
1/2		1/2		1/2	148,059	1/2	139,940	1/2	131,821	1/2	123,702	1/2	114,813	1/2	103,233	1/2	91,649	1/2	80,077
3/4		3/4		3/4	147,890	3/4	139,771	3/4	131,652	3/4	123,533	3/4	114,572	3/4	102,992	3/4	91,407	3/4	79,837
7	7	7	7	7	147,720	7	139,602	7	131,483	7	123,364	7	114,331	7	102,751	7	91,166	7	79,597
1/4		1/4		1/4	147,551	1/4	139,432	1/4	131,313	1/4	123,194	1/4	114,090	1/4	102,509	1/4	90,925	1/4	79,357
1/2		1/2		1/2	147,382	1/2	139,263	1/2	131,144	1/2	123,025	1/2	113,850	1/2	102,268	1/2	90,683	1/2	79,117
3/4		3/4		3/4	147,213	3/4	139,094	3/4	130,975	3/4	122,856	3/4	113,609	3/4	102,027	3/4	90,442	3/4	78,878
8	8	8	8	8	147,044	8	138,925	8	130,806	8	122,687	8	113,368	8	101,785	8	90,201	8	78,638
1/4		1/4		1/4	146,875	1/4	138,756	1/4	130,637	1/4	122,518	1/4	113,127	1/4	101,544	1/4	89,959	1/4	78,398
1/2		1/2		1/2	146,706	1/2	138,587	1/2	130,468	1/2	122,349	1/2	112,887	1/2	101,303	1/2	89,718	1/2	78,158
3/4		3/4		3/4	146,536	3/4	138,418	3/4	130,299	3/4	122,180	3/4	112,646	3/4	101,061	3/4	89,477	3/4	77,918
9	9	9	9	9	146,367	9	138,248	9	130,129	9	122,011	9	112,404	9	100,820	9	89,235	9	77,678
1/4		1/4		1/4	146,198	1/4	138,079	1/4	129,960	1/4	121,842	1/4	112,163	1/4	100,578	1/4	88,994	1/4	77,438
1/2		1/2		1/2	146,029	1/2	137,910	1/2	129,791	1/2	121,674	1/2	111,922	1/2	100,337	1/2	88,753	1/2	77,198
3/4		3/4		3/4	145,860	3/4	137,741	3/4	129,622	3/4	121,505	3/4	111,680	3/4	100,096	3/4	88,511	3/4	76,958
10	10	10	10	10	145,691	10	137,572	10	129,453	10	121,337	10	111,439	10	99,854	10	88,270	10	76,718
1/4		1/4		1/4	145,522	1/4	137,403	1/4	129,284	1/4	121,168	1/4	111,198	1/4	99,613	1/4	88,029	1/4	76,479
1/2		1/2		1/2	145,352	1/2	137,234	1/2	129,115	1/2	121,000	1/2	110,956	1/2	99,372	1/2	87,787	1/2	76,239
3/4		3/4		3/4	145,183	3/4	137,064	3/4	128,945	3/4	120,831	3/4	110,715	3/4	99,130	3/4	87,546	3/4	75,999
11	11	11	11	11	145,014	11	136,895	11	128,776	11	120,662	11	110,474	11	98,889	11	87,304	11	75,759
1/4		1/4		1/4	144,845	1/4	136,726	1/4	128,607	1/4	120,494	1/4	110,232	1/4	98,648	1/4	87,063	1/4	75,519
1/2		1/2		1/2	144,676	1/2	136,557	1/2	128,438	1/2	120,325	1/2	109,991	1/2	98,406	1/2	86,822	1/2	75,279
3/4		3/4		3/4	144,507	3/4	136,388	3/4	128,269	3/4	120,157	3/4	109,750	3/4	98,165	3/4	86,580	3/4	75,039

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 24'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1404"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0										
	74,798		63,225		51,645		40,065		28,693		17,167		5,564						
1/4	74,558	1/4	62,984	1/4	51,404	1/4	39,824	1/4	28,459	1/4	16,925	1/4	5,324	1/4		1/4		1/4	
1/2	74,317	1/2	62,742	1/2	51,162	1/2	39,582	1/2	28,224	1/2	16,683	1/2	5,083	1/2		1/2		1/2	
3/4	74,076	3/4	62,501	3/4	50,921	3/4	39,341	3/4	27,990	3/4	16,441	3/4	4,843	3/4		3/4		3/4	
1	73,836	1	62,260	1	50,680	1	39,100	1	27,756	1	16,199	1	4,604	1		1		1	
1/4	73,595	1/4	62,019	1/4	50,439	1/4	38,858	1/4	27,521	1/4	15,958	1/4	4,365	1/4		1/4		1/4	
1/2	73,354	1/2	61,777	1/2	50,197	1/2	38,617	1/2	27,287	1/2	15,716	1/2	4,126	1/2		1/2		1/2	
3/4	73,114	3/4	61,536	3/4	49,956	3/4	38,376	3/4	27,053	3/4	15,474	3/4	3,886	3/4		3/4		3/4	
2	72,873	2	61,295	2	49,715	2	38,135	2	26,818	2	15,232	2	3,649	2		2		2	
1/4	72,632	1/4	61,054	1/4	49,474	1/4	37,893	1/4	26,584	1/4	14,990	1/4	3,412	1/4		1/4		1/4	
1/2	72,392	1/2	60,812	1/2	49,232	1/2	37,652	1/2	26,349	1/2	14,748	1/2	3,175	1/2		1/2		1/2	
3/4	72,151	3/4	60,571	3/4	48,991	3/4	37,411	3/4	26,115	3/4	14,507	3/4	2,938	3/4		3/4		3/4	
3	71,910	3	60,330	3	48,750	3	37,170	3	25,873	3	14,265	3	2,717	3		3		3	
1/4	71,669	1/4	60,089	1/4	48,509	1/4	36,928	1/4	25,631	1/4	14,023	1/4	2,496	1/4		1/4		1/4	
1/2	71,427	1/2	59,847	1/2	48,267	1/2	36,687	1/2	25,389	1/2	13,781	1/2	2,275	1/2		1/2		1/2	
3/4	71,186	3/4	59,606	3/4	48,026	3/4	36,446	3/4	25,147	3/4	13,539	3/4	2,054	3/4		3/4		3/4	
4	70,945	4	59,365	4	47,785	4	36,205	4	24,905	4	13,298	4	1,873	4		4		4	
1/4	70,704	1/4	59,124	1/4	47,544	1/4	35,963	1/4	24,664	1/4	13,056	1/4	1,692	1/4		1/4		1/4	
1/2	70,462	1/2	58,882	1/2	47,302	1/2	35,722	1/2	24,422	1/2	12,814	1/2	1,510	1/2		1/2		1/2	
3/4	70,221	3/4	58,641	3/4	47,061	3/4	35,481	3/4	24,180	3/4	12,572	3/4	1,329	3/4		3/4		3/4	
5	69,980	5	58,400	5	46,820	5	35,247	5	23,938	5	12,330	5	1,188	5		5		5	
1/4	69,739	1/4	58,159	1/4	46,579	1/4	35,013	1/4	23,696	1/4	12,088	1/4	1,047	1/4		1/4		1/4	
1/2	69,497	1/2	57,917	1/2	46,337	1/2	34,779	1/2	23,454	1/2	11,847	1/2	906	1/2		1/2		1/2	
3/4	69,256	3/4	57,676	3/4	46,096	3/4	34,545	3/4	23,213	3/4	11,605	3/4	765	3/4		3/4		3/4	
6	69,015	6	57,435	6	45,855	6	34,311	6	22,971	6	11,363	6	664	6		6		6	
1/4	68,774	1/4	57,194	1/4	45,614	1/4	34,076	1/4	22,729	1/4	11,121	1/4	563	1/4		1/4		1/4	
1/2	68,532	1/2	56,952	1/2	45,372	1/2	33,842	1/2	22,487	1/2	10,879	1/2	463	1/2		1/2		1/2	
3/4	68,291	3/4	56,711	3/4	45,131	3/4	33,608	3/4	22,245	3/4	10,637	3/4	362	3/4		3/4		3/4	
7	68,050	7	56,470	7	44,890	7	33,374	7	22,003	7	10,396	7	301	7		7		7	
1/4	67,809	1/4	56,229	1/4	44,649	1/4	33,140	1/4	21,762	1/4	10,154	1/4	241	1/4		1/4		1/4	
1/2	67,567	1/2	55,987	1/2	44,407	1/2	32,906	1/2	21,520	1/2	9,912	1/2	180	1/2		1/2		1/2	
3/4	67,326	3/4	55,746	3/4	44,166	3/4	32,672	3/4	21,278	3/4	9,670	3/4	120	3/4		3/4		3/4	
8	67,085	8	55,505	8	43,925	8	32,438	8	21,036	8	9,428	8	100	8		8		8	
1/4	66,844	1/4	55,264	1/4	43,684	1/4	32,204	1/4	20,794	1/4	9,186	1/4	80	1/4		1/4		1/4	
1/2	66,602	1/2	55,022	1/2	43,442	1/2	31,970	1/2	20,552	1/2	8,945	1/2	60	1/2		1/2		1/2	
3/4	66,361	3/4	54,781	3/4	43,201	3/4	31,736	3/4	20,311	3/4	8,703	3/4	39	3/4		3/4		3/4	
9	66,120	9	54,540	9	42,960	9	31,502	9	20,069	9	8,461	9		9		9		9	
1/4	65,879	1/4	54,299	1/4	42,719	1/4	31,268	1/4	19,827	1/4	8,219	1/4		1/4		1/4		1/4	
1/2	65,637	1/2	54,057	1/2	42,477	1/2	31,033	1/2	19,585	1/2	7,977	1/2		1/2		1/2		1/2	
3/4	65,396	3/4	53,816	3/4	42,236	3/4	30,799	3/4	19,343	3/4	7,735	3/4		3/4		3/4		3/4	
10	65,155	10	53,575	10	41,995	10	30,565	10	19,101	10	7,494	10		10		10		10	
1/4	64,914	1/4	53,334	1/4	41,754	1/4	30,331	1/4	18,860	1/4	7,252	1/4		1/4		1/4		1/4	
1/2	64,672	1/2	53,092	1/2	41,512	1/2	30,097	1/2	18,618	1/2	7,011	1/2		1/2		1/2		1/2	
3/4	64,431	3/4	52,851	3/4	41,271	3/4	29,863	3/4	18,376	3/4	6,769	3/4		3/4		3/4		3/4	
11	64,190	11	52,610	11	41,030	11	29,629	11	18,134	11	6,528	11		11		11		11	
1/4	63,949	1/4	52,369	1/4	40,789	1/4	29,395	1/4	17,892	1/4	6,287	1/4		1/4		1/4		1/4	
1/2	63,707	1/2	52,127	1/2	40,547	1/2	29,161	1/2	17,650	1/2	6,046	1/2		1/2		1/2		1/2	
3/4	63,466	3/4	51,886	3/4	40,306	3/4	28,927	3/4	17,409	3/4	5,804	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2018 CL
CALCULATED: 07/13/2018 CL
PRINTED: 07/13/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1404"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	191,066	0	180,219	0	166,782	0	153,346	0	139,909	0	126,472	0	113,035	0	99,599		
1/4	1/4	1/4	191,043	1/4	179,939	1/4	166,502	1/4	153,066	1/4	139,629	1/4	126,192	1/4	112,756	1/4	99,319		
1/2	1/2	1/2	190,973	1/2	179,659	1/2	166,222	1/2	152,786	1/2	139,349	1/2	125,912	1/2	112,476	1/2	99,039		
3/4	3/4	3/4	190,903	3/4	179,379	3/4	165,942	3/4	152,506	3/4	139,069	3/4	125,632	3/4	112,196	3/4	98,759		
1	1	1	190,833	1	179,099	1	165,663	1	152,226	1	138,789	1	125,352	1	111,916	1	98,479		
1/4	1/4	1/4	190,763	1/4	178,819	1/4	165,383	1/4	151,946	1/4	138,509	1/4	125,073	1/4	111,636	1/4	98,199		
1/2	1/2	1/2	190,646	1/2	178,539	1/2	165,103	1/2	151,666	1/2	138,229	1/2	124,793	1/2	111,356	1/2	97,919		
3/4	3/4	3/4	190,530	3/4	178,259	3/4	164,823	3/4	151,386	3/4	137,949	3/4	124,513	3/4	111,076	3/4	97,639		
2	2	2	190,413	2	177,979	2	164,543	2	151,106	2	137,669	2	124,233	2	110,796	2	97,359		
1/4	1/4	1/4	190,296	1/4	177,700	1/4	164,263	1/4	150,826	1/4	137,389	1/4	123,953	1/4	110,516	1/4	97,079		
1/2	1/2	1/2	190,133	1/2	177,420	1/2	163,983	1/2	150,546	1/2	137,110	1/2	123,673	1/2	110,236	1/2	96,799		
3/4	3/4	3/4	189,970	3/4	177,140	3/4	163,703	3/4	150,266	3/4	136,830	3/4	123,393	3/4	109,956	3/4	96,520		
3	3	3	189,807	3	176,860	3	163,423	3	149,986	3	136,550	3	123,113	3	109,676	3	96,240		
1/4	1/4	1/4	189,643	1/4	176,580	1/4	163,143	1/4	149,706	1/4	136,270	1/4	122,833	1/4	109,396	1/4	95,960		
1/2	1/2	1/2	189,433	1/2	176,300	1/2	162,863	1/2	149,427	1/2	135,990	1/2	122,553	1/2	109,116	1/2	95,680		
3/4	3/4	3/4	189,223	3/4	176,020	3/4	162,583	3/4	149,147	3/4	135,710	3/4	122,273	3/4	108,837	3/4	95,400		
4	4	4	189,013	4	175,740	4	162,303	4	148,867	4	135,430	4	121,993	4	108,557	4	95,120		
1/4	1/4	1/4	188,803	1/4	175,460	1/4	162,023	1/4	148,587	1/4	135,150	1/4	121,713	1/4	108,277	1/4	94,840		
1/2	1/2	1/2	188,547	1/2	175,180	1/2	161,743	1/2	148,307	1/2	134,870	1/2	121,433	1/2	107,997	1/2	94,560		
3/4	3/4	3/4	188,290	3/4	174,900	3/4	161,464	3/4	148,027	3/4	134,590	3/4	121,153	3/4	107,717	3/4	94,280		
5	5	5	188,034	5	174,620	5	161,184	5	147,747	5	134,310	5	120,874	5	107,437	5	94,000		
1/4	1/4	1/4	187,777	1/4	174,340	1/4	160,904	1/4	147,467	1/4	134,030	1/4	120,594	1/4	107,157	1/4	93,720		
1/2	1/2	1/2	187,497	1/2	174,060	1/2	160,624	1/2	147,187	1/2	133,750	1/2	120,314	1/2	106,877	1/2	93,440		
3/4	3/4	3/4	187,217	3/4	173,781	3/4	160,344	3/4	146,907	3/4	133,470	3/4	120,034	3/4	106,597	3/4	93,160		
6	6	6	186,937	6	173,501	6	160,064	6	146,627	6	133,191	6	119,754	6	106,317	6	92,880		
1/4	1/4	1/4	186,657	1/4	173,221	1/4	159,784	1/4	146,347	1/4	132,911	1/4	119,474	1/4	106,037	1/4	92,601		
1/2	1/2	1/2	186,377	1/2	172,941	1/2	159,504	1/2	146,067	1/2	132,631	1/2	119,194	1/2	105,757	1/2	92,321		
3/4	3/4	3/4	186,097	3/4	172,661	3/4	159,224	3/4	145,787	3/4	132,351	3/4	118,914	3/4	105,477	3/4	92,041		
7	7	7	185,818	7	172,381	7	158,944	7	145,507	7	132,071	7	118,634	7	105,197	7	91,761		
1/4	1/4	1/4	185,538	1/4	172,101	1/4	158,664	1/4	145,228	1/4	131,791	1/4	118,354	1/4	104,917	1/4	91,481		
1/2	1/2	1/2	185,258	1/2	171,821	1/2	158,384	1/2	144,948	1/2	131,511	1/2	118,074	1/2	104,638	1/2	91,201		
3/4	3/4	3/4	184,978	3/4	171,541	3/4	158,104	3/4	144,668	3/4	131,231	3/4	117,794	3/4	104,358	3/4	90,921		
8	8	8	184,698	8	171,261	8	157,824	8	144,388	8	130,951	8	117,514	8	104,078	8	90,641		
1/4	1/4	1/4	184,418	1/4	170,981	1/4	157,545	1/4	144,108	1/4	130,671	1/4	117,234	1/4	103,798	1/4	90,361		
1/2	1/2	1/2	184,138	1/2	170,701	1/2	157,265	1/2	143,828	1/2	130,391	1/2	116,955	1/2	103,518	1/2	90,081		
3/4	3/4	3/4	183,858	3/4	170,421	3/4	156,985	3/4	143,548	3/4	130,111	3/4	116,675	3/4	103,238	3/4	89,801		
9	9	9	183,578	9	170,141	9	156,705	9	143,268	9	129,831	9	116,395	9	102,958	9	89,521		
1/4	1/4	1/4	183,298	1/4	169,861	1/4	156,425	1/4	142,988	1/4	129,551	1/4	116,115	1/4	102,678	1/4	89,241		
1/2	1/2	1/2	183,018	1/2	169,582	1/2	156,145	1/2	142,708	1/2	129,271	1/2	115,835	1/2	102,398	1/2	88,961		
3/4	3/4	3/4	182,738	3/4	169,302	3/4	155,865	3/4	142,428	3/4	128,992	3/4	115,555	3/4	102,118	3/4	88,681		
10	10	10	182,458	10	169,022	10	155,585	10	142,148	10	128,712	10	115,275	10	101,838	10	88,402		
1/4	1/4	1/4	182,178	1/4	168,742	1/4	155,305	1/4	141,868	1/4	128,432	1/4	114,995	1/4	101,558	1/4	88,122		
1/2	1/2	1/2	181,899	1/2	168,462	1/2	155,025	1/2	141,588	1/2	128,152	1/2	114,715	1/2	101,278	1/2	87,842		
3/4	3/4	3/4	181,619	3/4	168,182	3/4	154,745	3/4	141,309	3/4	127,872	3/4	114,435	3/4	100,998	3/4	87,562		
11	11	11	181,339	11	167,902	11	154,465	11	141,029	11	127,592	11	114,155	11	100,719	11	87,282		
1/4	1/4	1/4	181,059	1/4	167,622	1/4	154,185	1/4	140,749	1/4	127,312	1/4	113,875	1/4	100,439	1/4	87,002		
1/2	1/2	1/2	180,779	1/2	167,342	1/2	153,905	1/2	140,469	1/2	127,032	1/2	113,595	1/2	100,159	1/2	86,722		
3/4	3/4	3/4	191,090	3/4	180,499	3/4	167,062	3/4	153,625	3/4	140,189	3/4	126,752	3/4	113,315	3/4	99,879	3/4	86,442

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1404"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0										
1/4	85,882	1/4	72,445	1/4	59,009	1/4	45,572	1/4	32,430	1/4	19,025	1/4	5,600	1/4		1/4		1/4			
1/2	85,602	1/2	72,166	1/2	58,729	1/2	45,292	1/2	32,158	1/2	18,745	1/2	5,323	1/2		1/2		1/2			
3/4	85,322	3/4	71,886	3/4	58,449	3/4	45,012	3/4	31,886	3/4	18,465	3/4	5,046	3/4		3/4		3/4			
1	85,042	1	71,606	1	58,169	1	44,732	1	31,614	1	18,185	1	4,770	1		1		1			
1/4	84,762	1/4	71,326	1/4	57,889	1/4	44,452	1/4	31,342	1/4	17,905	1/4	4,493	1/4		1/4		1/4			
1/2	84,483	1/2	71,046	1/2	57,609	1/2	44,172	1/2	31,062	1/2	17,625	1/2	4,218	1/2		1/2		1/2			
3/4	84,203	3/4	70,766	3/4	57,329	3/4	43,893	3/4	30,782	3/4	17,346	3/4	3,944	3/4		3/4		3/4			
2	83,923	2	70,486	2	57,049	2	43,613	2	30,502	2	17,066	2	3,670	2		2		2			
1/4	83,643	1/4	70,206	1/4	56,769	1/4	43,333	1/4	30,222	1/4	16,786	1/4	3,395	1/4		1/4		1/4			
1/2	83,363	1/2	69,926	1/2	56,489	1/2	43,053	1/2	29,942	1/2	16,506	1/2	3,140	1/2		1/2		1/2			
3/4	83,083	3/4	69,646	3/4	56,209	3/4	42,773	3/4	29,662	3/4	16,226	3/4	2,884	3/4		3/4		3/4			
3	82,803	3	69,366	3	55,930	3	42,493	3	29,382	3	15,946	3	2,628	3		3		3			
1/4	82,523	1/4	69,086	1/4	55,650	1/4	42,213	1/4	29,102	1/4	15,666	1/4	2,372	1/4		1/4		1/4			
1/2	82,243	1/2	68,806	1/2	55,370	1/2	41,941	1/2	28,822	1/2	15,386	1/2	2,162	1/2		1/2		1/2			
3/4	81,963	3/4	68,526	3/4	55,090	3/4	41,669	3/4	28,542	3/4	15,106	3/4	1,952	3/4		3/4		3/4			
4	81,683	4	68,247	4	54,810	4	41,397	4	28,263	4	14,826	4	1,742	4		4		4			
1/4	81,403	1/4	67,967	1/4	54,530	1/4	41,125	1/4	27,983	1/4	14,546	1/4	1,532	1/4		1/4		1/4			
1/2	81,123	1/2	67,687	1/2	54,250	1/2	40,853	1/2	27,703	1/2	14,266	1/2	1,369	1/2		1/2		1/2			
3/4	80,843	3/4	67,407	3/4	53,970	3/4	40,581	3/4	27,423	3/4	13,986	3/4	1,206	3/4		3/4		3/4			
5	80,563	5	67,127	5	53,690	5	40,310	5	27,143	5	13,707	5	1,042	5		5		5			
1/4	80,284	1/4	66,847	1/4	53,410	1/4	40,038	1/4	26,863	1/4	13,427	1/4	879	1/4		1/4		1/4			
1/2	80,004	1/2	66,567	1/2	53,130	1/2	39,766	1/2	26,583	1/2	13,147	1/2	762	1/2		1/2		1/2			
3/4	79,724	3/4	66,287	3/4	52,850	3/4	39,494	3/4	26,303	3/4	12,867	3/4	646	3/4		3/4		3/4			
6	79,444	6	66,007	6	52,570	6	39,223	6	26,023	6	12,587	6	529	6		6		6			
1/4	79,164	1/4	65,727	1/4	52,290	1/4	38,951	1/4	25,743	1/4	12,307	1/4	413	1/4		1/4		1/4			
1/2	78,884	1/2	65,447	1/2	52,011	1/2	38,679	1/2	25,463	1/2	12,027	1/2	343	1/2		1/2		1/2			
3/4	78,604	3/4	65,167	3/4	51,731	3/4	38,408	3/4	25,183	3/4	11,747	3/4	273	3/4		3/4		3/4			
7	78,324	7	64,887	7	51,451	7	38,136	7	24,903	7	11,467	7	203	7		7		7			
1/4	78,044	1/4	64,607	1/4	51,171	1/4	37,864	1/4	24,624	1/4	11,187	1/4	133	1/4		1/4		1/4			
1/2	77,764	1/2	64,327	1/2	50,891	1/2	37,592	1/2	24,344	1/2	10,907	1/2	109	1/2		1/2		1/2			
3/4	77,484	3/4	64,048	3/4	50,611	3/4	37,321	3/4	24,064	3/4	10,627	3/4	86	3/4		3/4		3/4			
8	77,204	8	63,768	8	50,331	8	37,049	8	23,784	8	10,348	8	63	8		8		8			
1/4	76,924	1/4	63,488	1/4	50,051	1/4	36,777	1/4	23,504	1/4	10,068	1/4	39	1/4		1/4		1/4			
1/2	76,644	1/2	63,208	1/2	49,771	1/2	36,506	1/2	23,224	1/2	9,788	1/2		1/2		1/2		1/2			
3/4	76,365	3/4	62,928	3/4	49,491	3/4	36,234	3/4	22,944	3/4	9,508	3/4		3/4		3/4		3/4			
9	76,085	9	62,648	9	49,211	9	35,962	9	22,664	9	9,228	9		9		9		9			
1/4	75,805	1/4	62,368	1/4	48,931	1/4	35,690	1/4	22,384	1/4	8,948	1/4		1/4		1/4		1/4			
1/2	75,525	1/2	62,088	1/2	48,651	1/2	35,419	1/2	22,104	1/2	8,668	1/2		1/2		1/2		1/2			
3/4	75,245	3/4	61,808	3/4	48,371	3/4	35,147	3/4	21,824	3/4	8,389	3/4		3/4		3/4		3/4			
10	74,965	10	61,528	10	48,091	10	34,875	10	21,544	10	8,109	10		10		10		10			
1/4	74,685	1/4	61,248	1/4	47,812	1/4	34,604	1/4	21,264	1/4	7,829	1/4		1/4		1/4		1/4			
1/2	74,405	1/2	60,968	1/2	47,532	1/2	34,332	1/2	20,985	1/2	7,550	1/2		1/2		1/2		1/2			
3/4	74,125	3/4	60,688	3/4	47,252	3/4	34,060	3/4	20,705	3/4	7,271	3/4		3/4		3/4		3/4			
11	73,845	11	60,408	11	46,972	11	33,788	11	20,425	11	6,992	11		11		11		11			
1/4	73,565	1/4	60,129	1/4	46,692	1/4	33,517	1/4	20,145	1/4	6,713	1/4		1/4		1/4		1/4			
1/2	73,285	1/2	59,849	1/2	46,412	1/2	33,245	1/2	19,865	1/2	6,435	1/2		1/2		1/2		1/2			
3/4	73,005	3/4	59,569	3/4	46,132	3/4	32,973	3/4	19,585	3/4	6,156	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2018 CL
CALCULATED: 07/13/2018 CL
PRINTED: 07/13/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1404"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4	171,060	1/4	161,595	1/4	149,836	1/4	137,576	1/4	125,567	1/4	113,557	1/4	101,548	1/4	89,539
1/2		1/2		1/2	171,040	1/2	161,345	1/2	149,335	1/2	137,326	1/2	125,316	1/2	113,307	1/2	101,298	1/2	89,288
3/4		3/4		3/4	171,019	3/4	161,094	3/4	149,085	3/4	137,076	3/4	125,066	3/4	113,057	3/4	101,048	3/4	89,038
1	1	1	1	1	170,956	1	160,844	1	148,835	1	136,825	1	124,816	1	112,807	1	100,797	1	88,788
1/4		1/4		1/4	170,894	1/4	160,594	1/4	148,585	1/4	136,575	1/4	124,566	1/4	112,556	1/4	100,547	1/4	88,538
1/2		1/2		1/2	170,831	1/2	160,344	1/2	148,334	1/2	136,325	1/2	124,316	1/2	112,306	1/2	100,297	1/2	88,288
3/4		3/4		3/4	170,768	3/4	160,094	3/4	148,084	3/4	136,075	3/4	124,065	3/4	112,056	3/4	100,047	3/4	88,037
2	2	2	2	2	170,664	2	159,843	2	147,834	2	135,825	2	123,815	2	111,806	2	99,797	2	87,787
1/4		1/4		1/4	170,560	1/4	159,593	1/4	147,584	1/4	135,574	1/4	123,565	1/4	111,556	1/4	99,546	1/4	87,537
1/2		1/2		1/2	170,456	1/2	159,343	1/2	147,334	1/2	135,324	1/2	123,315	1/2	111,306	1/2	99,296	1/2	87,287
3/4		3/4		3/4	170,351	3/4	159,093	3/4	147,083	3/4	135,074	3/4	123,065	3/4	111,055	3/4	99,046	3/4	87,037
3	3	3	3	3	170,206	3	158,843	3	146,833	3	134,824	3	122,814	3	110,805	3	98,796	3	86,786
1/4		1/4		1/4	170,060	1/4	158,592	1/4	146,583	1/4	134,574	1/4	122,564	1/4	110,555	1/4	98,546	1/4	86,536
1/2		1/2		1/2	169,914	1/2	158,342	1/2	146,333	1/2	134,323	1/2	122,314	1/2	110,305	1/2	98,295	1/2	86,286
3/4		3/4		3/4	169,768	3/4	158,092	3/4	146,083	3/4	134,073	3/4	122,064	3/4	110,055	3/4	98,045	3/4	86,036
4	4	4	4	4	169,580	4	157,842	4	145,832	4	133,823	4	121,814	4	109,804	4	97,795	4	85,786
1/4		1/4		1/4	169,392	1/4	157,592	1/4	145,582	1/4	133,573	1/4	121,563	1/4	109,554	1/4	97,545	1/4	85,535
1/2		1/2		1/2	169,205	1/2	157,341	1/2	145,332	1/2	133,323	1/2	121,313	1/2	109,304	1/2	97,295	1/2	85,285
3/4		3/4		3/4	169,017	3/4	157,091	3/4	145,082	3/4	133,072	3/4	121,063	3/4	109,054	3/4	97,044	3/4	85,035
5	5	5	5	5	168,788	5	156,841	5	144,832	5	132,822	5	120,813	5	108,804	5	96,794	5	84,785
1/4		1/4		1/4	168,558	1/4	156,591	1/4	144,581	1/4	132,572	1/4	120,563	1/4	108,553	1/4	96,544	1/4	84,535
1/2		1/2		1/2	168,329	1/2	156,341	1/2	144,331	1/2	132,322	1/2	120,313	1/2	108,303	1/2	96,294	1/2	84,284
3/4		3/4		3/4	168,100	3/4	156,090	3/4	144,081	3/4	132,072	3/4	120,062	3/4	108,053	3/4	96,044	3/4	84,034
6	6	6	6	6	167,850	6	155,840	6	143,831	6	131,821	6	119,812	6	107,803	6	95,793	6	83,784
1/4		1/4		1/4	167,599	1/4	155,590	1/4	143,581	1/4	131,571	1/4	119,562	1/4	107,553	1/4	95,543	1/4	83,534
1/2		1/2		1/2	167,349	1/2	155,340	1/2	143,330	1/2	131,321	1/2	119,312	1/2	107,302	1/2	95,293	1/2	83,284
3/4		3/4		3/4	167,099	3/4	155,090	3/4	143,080	3/4	131,071	3/4	119,062	3/4	107,052	3/4	95,043	3/4	83,033
7	7	7	7	7	166,849	7	154,839	7	142,830	7	130,821	7	118,811	7	106,802	7	94,793	7	82,783
1/4		1/4		1/4	166,599	1/4	154,589	1/4	142,580	1/4	130,571	1/4	118,561	1/4	106,552	1/4	94,542	1/4	82,533
1/2		1/2		1/2	166,348	1/2	154,339	1/2	142,330	1/2	130,320	1/2	118,311	1/2	106,302	1/2	94,292	1/2	82,283
3/4		3/4		3/4	166,098	3/4	154,089	3/4	142,079	3/4	130,070	3/4	118,061	3/4	106,051	3/4	94,042	3/4	82,033
8	8	8	8	8	165,848	8	153,839	8	141,829	8	129,820	8	117,811	8	105,801	8	93,792	8	81,782
1/4		1/4		1/4	165,598	1/4	153,588	1/4	141,579	1/4	129,570	1/4	117,560	1/4	105,551	1/4	93,542	1/4	81,532
1/2		1/2		1/2	165,348	1/2	153,338	1/2	141,329	1/2	129,320	1/2	117,310	1/2	105,301	1/2	93,291	1/2	81,282
3/4		3/4		3/4	165,097	3/4	153,088	3/4	141,079	3/4	129,069	3/4	117,060	3/4	105,051	3/4	93,041	3/4	81,032
9	9	9	9	9	164,847	9	152,838	9	140,829	9	128,819	9	116,810	9	104,800	9	92,791	9	80,782
1/4		1/4		1/4	164,597	1/4	152,588	1/4	140,578	1/4	128,569	1/4	116,560	1/4	104,550	1/4	92,541	1/4	80,532
1/2		1/2		1/2	164,347	1/2	152,337	1/2	140,328	1/2	128,319	1/2	116,309	1/2	104,300	1/2	92,291	1/2	80,281
3/4		3/4		3/4	164,097	3/4	152,087	3/4	140,078	3/4	128,069	3/4	116,059	3/4	104,050	3/4	92,040	3/4	80,031
10	10	10	10	10	163,846	10	151,837	10	139,828	10	127,818	10	115,809	10	103,800	10	91,790	10	79,781
1/4		1/4		1/4	163,596	1/4	151,587	1/4	139,578	1/4	127,568	1/4	115,559	1/4	103,549	1/4	91,540	1/4	79,531
1/2		1/2		1/2	163,346	1/2	151,337	1/2	139,327	1/2	127,318	1/2	115,309	1/2	103,299	1/2	91,290	1/2	79,281
3/4		3/4		3/4	163,096	3/4	151,087	3/4	139,077	3/4	127,068	3/4	115,058	3/4	103,049	3/4	91,040	3/4	79,030
11	11	11	11	11	162,846	11	150,836	11	138,827	11	126,817	11	114,808	11	102,799	11	90,790	11	78,780
1/4		1/4		1/4	162,595	1/4	150,586	1/4	138,577	1/4	126,567	1/4	114,558	1/4	102,549	1/4	90,539	1/4	78,530
1/2		1/2		1/2	162,345	1/2	150,336	1/2	138,327	1/2	126,317	1/2	114,308	1/2	102,298	1/2	90,289	1/2	78,280
3/4		3/4		3/4	162,095	3/4	150,086	3/4	138,076	3/4	126,067	3/4	114,058	3/4	102,048	3/4	90,039	3/4	78,030

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 1404"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0										
1/4	77,529	1/4	65,520	1/4	53,510	1/4	41,501	1/4	29,513	1/4	17,509	1/4	5,507	1/4		1/4		1/4			
1/2	77,279	1/2	65,270	1/2	53,260	1/2	41,251	1/2	29,264	1/2	17,259	1/2	5,258	1/2		1/2		1/2			
3/4	77,029	3/4	65,019	3/4	53,010	3/4	41,001	3/4	29,014	3/4	17,008	3/4	5,009	3/4		3/4		3/4			
1	76,779	1	64,769	1	52,760	1	40,751	1	28,765	1	16,758	1	4,762	1		1		1			
1/4	76,528	1/4	64,519	1/4	52,510	1/4	40,500	1/4	28,515	1/4	16,508	1/4	4,515	1/4		1/4		1/4			
1/2	76,278	1/2	64,269	1/2	52,259	1/2	40,250	1/2	28,265	1/2	16,258	1/2	4,267	1/2		1/2		1/2			
3/4	76,028	3/4	64,019	3/4	52,009	3/4	40,000	3/4	28,015	3/4	16,008	3/4	4,020	3/4		3/4		3/4			
2	75,778	2	63,768	2	51,759	2	39,750	2	27,765	2	15,757	2	3,775	2		2		2			
1/4	75,528	1/4	63,518	1/4	51,509	1/4	39,500	1/4	27,515	1/4	15,507	1/4	3,529	1/4		1/4		1/4			
1/2	75,277	1/2	63,268	1/2	51,259	1/2	39,249	1/2	27,266	1/2	15,257	1/2	3,284	1/2		1/2		1/2			
3/4	75,027	3/4	63,018	3/4	51,009	3/4	38,999	3/4	27,016	3/4	15,007	3/4	3,039	3/4		3/4		3/4			
3	74,777	3	62,768	3	50,758	3	38,749	3	26,766	3	14,757	3	2,810	3		3		3			
1/4	74,527	1/4	62,517	1/4	50,508	1/4	38,499	1/4	26,515	1/4	14,507	1/4	2,582	1/4		1/4		1/4			
1/2	74,277	1/2	62,267	1/2	50,258	1/2	38,249	1/2	26,265	1/2	14,256	1/2	2,353	1/2		1/2		1/2			
3/4	74,026	3/4	62,017	3/4	50,008	3/4	37,998	3/4	26,015	3/4	14,006	3/4	2,124	3/4		3/4		3/4			
4	73,776	4	61,767	4	49,758	4	37,748	4	25,765	4	13,756	4	1,937	4		4		4			
1/4	73,526	1/4	61,517	1/4	49,507	1/4	37,498	1/4	25,515	1/4	13,506	1/4	1,749	1/4		1/4		1/4			
1/2	73,276	1/2	61,267	1/2	49,257	1/2	37,248	1/2	25,264	1/2	13,256	1/2	1,561	1/2		1/2		1/2			
3/4	73,026	3/4	61,016	3/4	49,007	3/4	36,998	3/4	25,014	3/4	13,005	3/4	1,374	3/4		3/4		3/4			
5	72,775	5	60,766	5	48,757	5	36,748	5	24,764	5	12,755	5	1,228	5		5		5			
1/4	72,525	1/4	60,516	1/4	48,507	1/4	36,499	1/4	24,514	1/4	12,505	1/4	1,082	1/4		1/4		1/4			
1/2	72,275	1/2	60,266	1/2	48,256	1/2	36,249	1/2	24,264	1/2	12,255	1/2	936	1/2		1/2		1/2			
3/4	72,025	3/4	60,016	3/4	48,006	3/4	36,000	3/4	24,014	3/4	12,005	3/4	790	3/4		3/4		3/4			
6	71,775	6	59,765	6	47,756	6	35,750	6	23,763	6	11,754	6	686	6		6		6			
1/4	71,524	1/4	59,515	1/4	47,506	1/4	35,501	1/4	23,513	1/4	11,504	1/4	582	1/4		1/4		1/4			
1/2	71,274	1/2	59,265	1/2	47,256	1/2	35,251	1/2	23,263	1/2	11,254	1/2	477	1/2		1/2		1/2			
3/4	71,024	3/4	59,015	3/4	47,005	3/4	35,002	3/4	23,013	3/4	11,004	3/4	373	3/4		3/4		3/4			
7	70,774	7	58,765	7	46,755	7	34,752	7	22,763	7	10,754	7	311	7		7		7			
1/4	70,524	1/4	58,514	1/4	46,505	1/4	34,503	1/4	22,512	1/4	10,504	1/4	248	1/4		1/4		1/4			
1/2	70,274	1/2	58,264	1/2	46,255	1/2	34,253	1/2	22,262	1/2	10,253	1/2	185	1/2		1/2		1/2			
3/4	70,023	3/4	58,014	3/4	46,005	3/4	34,004	3/4	22,012	3/4	10,003	3/4	123	3/4		3/4		3/4			
8	69,773	8	57,764	8	45,754	8	33,754	8	21,762	8	9,753	8	102	8		8		8			
1/4	69,523	1/4	57,514	1/4	45,504	1/4	33,505	1/4	21,512	1/4	9,503	1/4	81	1/4		1/4		1/4			
1/2	69,273	1/2	57,263	1/2	45,254	1/2	33,255	1/2	21,262	1/2	9,253	1/2	60	1/2		1/2		1/2			
3/4	69,023	3/4	57,013	3/4	45,004	3/4	33,006	3/4	21,011	3/4	9,002	3/4	40	3/4		3/4		3/4			
9	68,772	9	56,763	9	44,754	9	32,757	9	20,761	9	8,752	9		9		9		9			
1/4	68,522	1/4	56,513	1/4	44,503	1/4	32,507	1/4	20,511	1/4	8,502	1/4		1/4		1/4		1/4			
1/2	68,272	1/2	56,263	1/2	44,253	1/2	32,258	1/2	20,261	1/2	8,252	1/2		1/2		1/2		1/2			
3/4	68,022	3/4	56,012	3/4	44,003	3/4	32,008	3/4	20,011	3/4	8,002	3/4		3/4		3/4		3/4			
10	67,772	10	55,762	10	43,753	10	31,759	10	19,760	10	7,752	10		10		10		10			
1/4	67,521	1/4	55,512	1/4	43,503	1/4	31,509	1/4	19,510	1/4	7,502	1/4		1/4		1/4		1/4			
1/2	67,271	1/2	55,262	1/2	43,252	1/2	31,260	1/2	19,260	1/2	7,252	1/2		1/2		1/2		1/2			
3/4	67,021	3/4	55,012	3/4	43,002	3/4	31,010	3/4	19,010	3/4	7,002	3/4		3/4		3/4		3/4			
11	66,771	11	54,761	11	42,752	11	30,761	11	18,760	11	6,752	11		11		11		11			
1/4	66,521	1/4	54,511	1/4	42,502	1/4	30,511	1/4	18,509	1/4	6,503	1/4		1/4		1/4		1/4			
1/2	66,270	1/2	54,261	1/2	42,252	1/2	30,262	1/2	18,259	1/2	6,253	1/2		1/2		1/2		1/2			
3/4	66,020	3/4	54,011	3/4	42,001	3/4	30,012	3/4	18,009	3/4	6,004	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2018 CL
CALCULATED: 07/13/2018 CL
PRINTED: 07/13/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2018

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